Instrument Correction Factor Submittal Form

Instrument: _____ Date Submitted: _____

Serial Number: _____ Submitted by: _____

Please provide the Pitch, Roll and Yaw correction factor angles (direction and magnitude) using the convention described on the following pages and the notes below.

1. **Use Right Hand Rule for sign convention of angles. That is,**

   Movement from +X towards +Y is positive
   Movement from +X towards –Y is negative
   Movement from +X towards -Z is positive
   Movement from +X towards +Z is negative
   Movement from +Y towards +Z is positive
   Movement from +Y towards -Z is negative
   Movement from -Y towards -Z is positive
   Movement from -Y towards +Z is negative

2. **All Correction Factors are values of the Instrument Alignment Mirror normal with respect to the local Instrument Optical Coordinate System. The local Instrument Optical Coordinate System shall be coincident with the Spacecraft Coordinate System. If the local Instrument Optical Coordinate System is not coincident with the Spacecraft Coordinate System, convert the alignment data to reference the Spacecraft Coordinate System.**

3. **In the Spacecraft Coordinate System, Nadir is defined as the +X-axis, the Orbital Velocity Vector is defined as the –Y-axis, and the Sun Direction is defined as the +Z-axis.**

4. **All Correction Factor angles shall be presented in decimal degrees.**

5. **For the AVHRR only, the -Y Elevation YAW Correction Factor Sheet shall be used in place of the +Y Elevation YAW Correction Factor Sheet.**

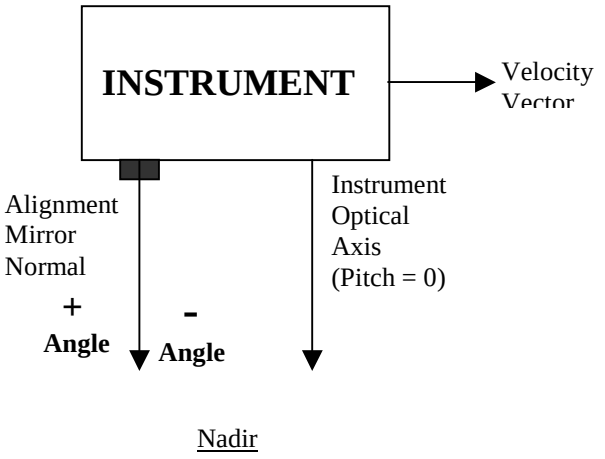
Instrument Correction Factor Submittal Form

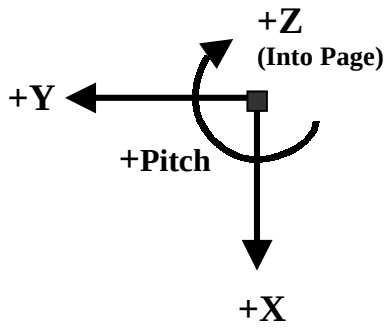
Instrument: _____ Date Submitted: _____

Serial Number: _____ Submitted by: _____

PITCH CORRECTION FACTOR ANGLE

Pitch Correction Factor (+X Azimuth) = _____





S/C Axes

(+Pitch is rotation about the +Z-axis)

Correction Factor Determination Process

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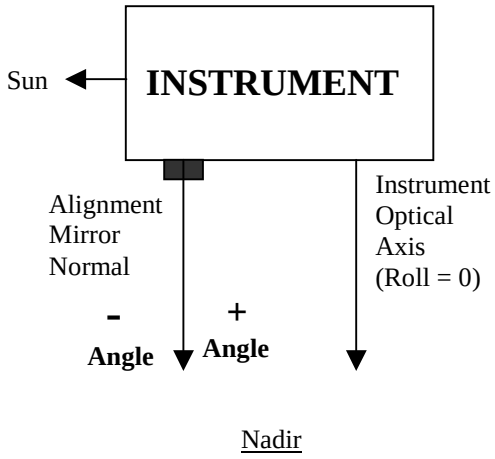
Instrument Correction Factor Submittal Form

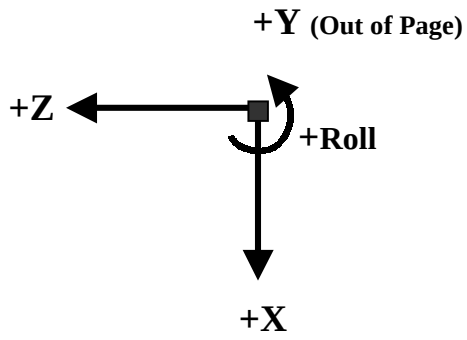
Instrument: _____ Date Submitted: _____

Serial Number: _____ Submitted by: _____

ROLL CORRECTION FACTOR ANGLE

Roll Correction Factor (+X Elevation) = _____





S/C Axes
(+Roll is rotation about the +Y-Axis)

Correction Factor Determination Process

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Instrument Correction Factor Submittal Form

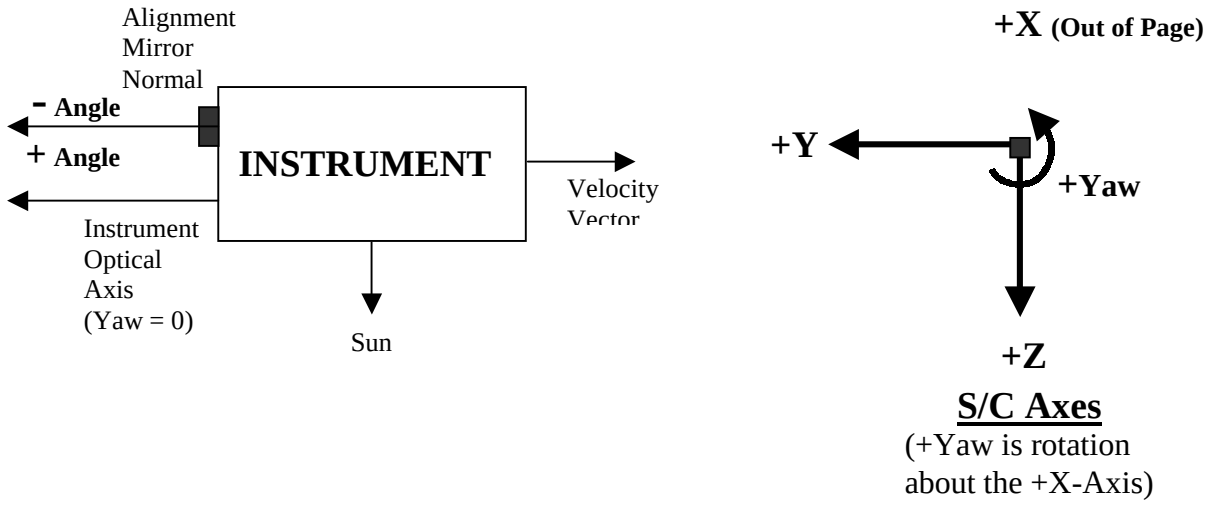
Instrument: _____ Date Submitted: _____

Serial Number: _____ Submitted by: _____

YAW CORRECTION FACTOR ANGLE

NOTE: For AVHRR only, Use the -Y Elevation YAW correction Factor Sheet on the following page.

YAW Correction Factor (+Y Elevation) = _____



Correction Factor Determination Process

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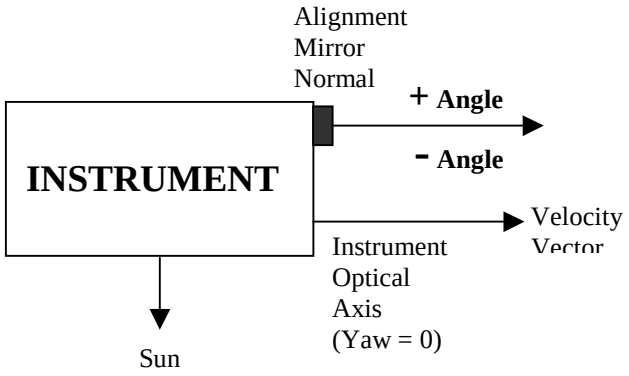
Instrument Correction Factor Submittal Form

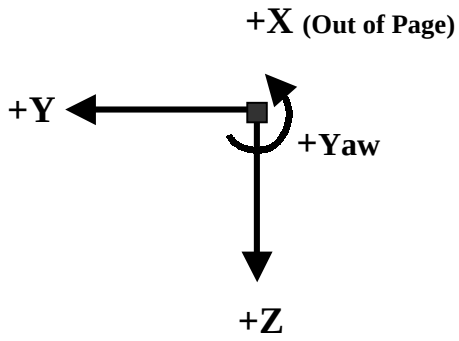
Instrument: _____ Date Submitted: _____

Serial Number: _____ Submitted by: _____

YAW CORRECTION FACTOR ANGLE (USE FOR AVHRR ONLY)

YAW Correction Factor (-Y Elevation) = _____





S/C Axes
(+Yaw is rotation about the +X-Axis)

Correction Factor Determination Process

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